and agpreciative audience assembled last woning to listen to the third lecture of Prof. Agassiz. Glaciers under the Tropics." On coming for

another curious phenomenon in the glacier. Suppose we have here a large fire, and I place between the fire and myself a large figse screen—a large pane of glass. I shall see through the pane of glass, and see the fire and the blaze, but I shall not feel the heat, because although it is transparent to the light, it is opaque to the heat—heat does not readily pass through glass. Hence it is that we make windows of glass, which interferes with the change of temperature from within and without. Take instead of such a glass screen a plate of ice, an ice selven, and place it between you and the fire, and you will have the same phenomenon, as to viewing the light—the blaze will be acon—but the heat will pass through. A pane of ice is a transparent to heat as a pane of glass is transparent to light. So that through a sheet of ice on will have the same paraphenous, as to very the blaze will be seen—but the heat will pass through. A pane of ice is as transparent to heat as a pane of glass is transparent to light. So that through a sheet of ice on the surface of a lake, when the sun shines upon the water, the stones on the bottom receive heat; and in that manner air bubbles are made to rise constantly. Through a large mass of ice, a rock which is at some depth under the surface of the ice may be heated in such a manner that in consequence of it the rock may be exposed and will appear. Suppose that we have here (illustrating by sketching upon the black board) the surface of the glacier; that we have here the inequalities of the bottom over which the glacier moves; and that here is a high rock over which the glacier moves; and that here is a high rock over which the glacier moves; and that here is a high rock over which the glacier moves; and that here is a high rock over which the surface. That rock will be so heated through the ice that the ice will melt away above it, and any materials upon the surface of the glacier moving with it—say a bowlder, for instance, or a large stone which has fallen upon the surface of the glacier and which is carried along with the glacier as it moves down, when it comes to this point, where the glacier is hollowed by the operation of the rock below, that stone will fall upon this point, and will no longer be carried forward. A glacier has very different aspects in its different parts. Suppose we have here (illustrating by a sketch) mountain inequalities; and that there is here a deep valley comiffs down in this way; and that upon those meditalities and mountain slopes large masses of snowhave fecungulated. That snow will remain in its snow you have not everywhere the same degree of compactness and solidity. The lower it is, the more is it exposed to the solidity. The lower it is, the more is it exposed to the solidity. The lower it is, the more is it exposed to the solidity. The lower is is, the more is it expos because of the large amount of particles of air which it contains in its crystals. If we press snow, and expel from it in that manner the air, we render it less white; and if we dip snow in water and press it afterward, so that water may replace the air, it loses more and more of its white appearance, and bocomes more transparent. In proportion as more air is driven away, and as the ice is freer from all particles inteffering with the transparency of the mass, the more does it assume a greenish or bluish tinge; and finally when it is perfectly pure and perfectly compact, and when it has very few finsures through its mass, it assumes a deep blue color, which is its natural color. Water, in its natural condition, when it large masses, is blue, as fold is vellew, and silver white; and the ice of the glacief, when it is partest, has always that blue appleadance. It is not the result of the refliction of the color of the sky, but it is its natural color. And ice has that beautiful bluish tinge, even when the sky is overcast, or when it rains heavily; and perhaps never does the glacier look more beautiful, appear more transparent, and exhibit more glowing colors, than when all the particles that are in a state of decomposition at the surface have been washed by heavy rains. Do not imagine, then, that you have witnessed the glaciers to advantage, when you have walked to the foot of thom and witnessed the snowy splendor of their surface. In order to have an idea what the glacier really is, you must see it under all possible conditions of the atmosphere; and just as the sky looks differently under different conditions of allowing and the some placer look differently. When it has been melting at the surface lack of the conditions of the sun and a succession of thaws. It looks like a withered mass of snow—it looks like a de-

The second control of the control of

be finore very slowly along the edge, and come down to the foreway showly along the edge, and come down to the foreway and the control of the dasher after a very long period must of recks which are upon this side, all along the your see that what is hery margh, and more sleerly lindication the innormanized the two mutting changes are controlled to the state of the common glader. Suppose two reverse which there must not be a considerable the contex of the common glader. Suppose two reverse which free prior one back, and which unites. The water the contex of the common glader. Suppose two reverse which free prior one back, and which unites. The water the contex of the common glader. Suppose two reverse which the contex of the reverse and the contex of the reverse and the contex of the reverse and the contex of the reverse which are the contex of the reverse which are the contex of the reverse which are the contex of the contex of the reverse which are the contex of the contex of the reverse which are the reverse which

MOVEMENTS OF GEN. HOWARD. St. Louis, Feb. 12.-Major-Gen. Howard arrived here yesterday from the East.

and the demand for lumber cannot be supplied. Hence brick must take its place, but here is a difficulty, for laber is scarce and dear. The next resort is to make brick by machinery, but to do so with profit requires great strength and skillful construction. Many brick machines

THE STATE OF TRADE.

CAMBRIDGE CATTLE MARKET.

FROM POO CHOW, Feb. 12-In bark Queensland-Mr. W. A. Darb, and wife.

LATEST SHIP NEWS. PORT OF NEW-YORK FRB. 12.

to Laurence, Giles & Co.

Bark Marken (of Bermuda), Thomas, Singapore Oct. 24th, via St. Heleara Dea. D. with moise to Spring, Nott & Co. Pased Angler Nov. S.
Gaps of Grad Hope Dec. 18, crossed the Equator Jan. 11, in lon. 25-46
W. Stopped at St. Helena to get supplies, and repair aftering apparatus.
Bark Hiswatia (Brom.), Matthias, Bremsen, 50 days, with mise, and
2 pass, to Gelfichs & Co.

Hark Queensland (of Sydney, N. S. W.), Wicks, Poo-Chow, Sept. 1,
with teas, & C., and 2 pass, 10 R. W. Cameron. Has had light winds and lins most of the passage.

Bark Filra Barrs, Conyers, of and from Bermuda, 14 days, with hides,

to J. N. Havey.

Birg Quis (of Jersey), Vigot, Baasi, 51 days with sugar to Napier &

Wellaford.
Sehr. Ella Amsden, Smith, Norfolk, 6 days, for New-Heven.
Sehr. Welcome R. Beebe. Crawford, Pernambneo, Jan. 16, with sugar
to master. Salled in company with bark Hasard for New-York.
Sohr. Navigator, Wicks, Mapaquer, P. R. 11 days, with fruit to J. & T.
Pearsall. Had heavy weather, 6th inst. had a heavy gale from the N. W.
off Barnegat and was blown off. Left in port, brigs Elna Thompson,
Model and Chrastal, loading for New York: schrs. Maggie Van Dusen, for
Palladelphia in 2 days; Albert Pecker, loading.

HELOW.

Brig La Cape, from Cardiff.
Brig Valencia

Jan. 21, lat. 18, lon. 68, 10, hark Fortuna from Liverpool for Galveston Dec. 20, lat. 29 20 S., lon. 11 20 E., ship Daniel Knight from Bombay Dec. 23, int. 32 50 S. Jon. 4 55 R. spoke Br. Sloop-of-War Pantalson, for Plymout via St. Helena and Ascension.

Jan. 5, lat 5 10 S. long. 17 10 W., brig Hernet, from Cape Town Ser London.

Loudon.

MEMORANDA.

The ship Union (Br.), for Liverpool, cleared to day with a cargo value at \$150,000. The brig Edith (Br.), for Montevideo, and the soin Lice W. Alexander (Br.), for Prior Rico, also cleared. A large fieet of vessels from foreign and constwise ports came up this afternoon.

DOMESTIC PORTS.

WIMINGTON, Peb. 12.—Salled, steamship Fornetheux for New York, Chart. Gron. Feb. 12.—Arrived, steamships Lain and Sea Gull, Balt more: schr. Montenma, Norfuk.

Salled, steamships Fioness, Liverpool, and Carbatta for New York.

McLAUGHLIN-On Tuesday, Peb. 12, Sarah Ann, wife of Solomon Me-Langhlin. The friends of the family are respectfully invited to attend her funeral from her late residence, No. 636 Third-ave., on Thursday, the 14th inst., at 2 o'clock p. m.

Passible.

The friends of the family are respectfully invited to attend her faseral from her late residence, No. 535 Third-are, on Thursday, the 14th inst, at 2 o'clock p. m.

McKEWAN—Died on the 11th of Feb., John Cardiale, son of John S. and Jesumie Tarlor McKewan, aged 2 years 7 mooths and 22 days.

Relatives and friends of the family are invited to attend the funeral, from the residence of his parents, No. 431 West Twenty-first st., on Wednesday, the 11th inst., at 1 p. m.

ORTON—On Themiay morning, Feb. 12, Dr. Jason R. Orton, after a long and point i tiliness, in the 51st year of his age.

The friends of the family are invited to attend the funeral at his late residence, No. 241 Court st., Browkin, on Tharslay, Feb. 14, at 2 o'clock p. m.

RAY—On Monday, Feb. 11, Florence Estel, desgifter of F. A. and Sarah R. Ray, aged 2 years 1 mouth and 22 days.

The relatives and friends of the family are invited to attend the funeral, from the residence of her parents, No. 70 East Fourthest, on Wednesday, 13th 1nst., at 2 o'clock p. m.

Vermont and Beston papers please copy.

SCOTT—On Sanday, Fob. 10, after a brief illness, in the 75th year of his age, William Scott, a native of Hawke, Scotland, and for more than 54 years a resident of this city.

The relatives and friends of the family are respectfully invited to attend the funeral from his late residence, No. 224 West Thirty-fourth-st., act. Secretals and Signals are invited to attend the funeral from the residence of her paying the family are foreign at 1 for the family and for more than 54 years a residence of her paying the family are frequency for the rage.

WETMORE—At Hudson City, N. J., on Taesday, Feb. 12, Famile M. Friends and relatives of the family are invited to attend the frinceral from the residences of her paying are invited to attend the frinceral from the residences of her paying are invited to attend the frinceral from the residence of her lates 3 vincers a short illness, Kilsa P. Whithork, daughter of the lates 3 vincers in the shock in a short of

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